

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/538001	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No.	10/549.592	
		Applicant	Gardella et al.	
		Filing Date	January 12, 2007	
		Group	1654	
(37 C.F.R. § 1.98(b))			IDS Filed	January 22, 2010

U.S. PATENT DOCUMENTS			
Examiner's Initials	Document Number	Publication Date	Patentee or Applicant
	4,086,196	Apr. 25, 1978	Tregear
	4,366,241	Dec. 28, 1982	Tom et al.
	4,423,037	Dec. 27, 1983	Rosenblatt et al.
	4,511,502	Apr. 16, 1985	Builder et al.
	4,512,922	Apr. 23, 1985	Jones et al.
	4,518,526	May 21, 1985	Olson
	4,620,948	Nov. 4, 1986	Builder et al.
	4,736,866	Apr. 12, 1988	Leder et al.
	4,843,000	Jun. 27, 1989	Litman et al.
	4,849,338	Jul. 18, 1989	Litman et al.
	5,010,010	Apr. 23, 1991	Gautvik et al.
	5,208,041	May 4, 1993	Sindrey
	5,217,896	Jun. 8, 1993	Kramer et al.
	5,227,487	Jul. 13, 1993	Haughland et al.
	5,274,113	Dec. 28, 1993	Kang et al.
	5,326,692	Jul. 5, 1994	Brinkley et al.
	5,350,836	Sep. 27, 1994	Kopchick et al.
	5,382,658	Jan. 17, 1995	Kronis et al.
	5,405,975	Apr. 11, 1995	Kuhn et al.
	5,433,896	Jul. 18, 1995	Kang et al.
	5,442,045	Aug. 15, 1995	Haugland et al.

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/538001
		Serial No.	10/549,592
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant	Gardella et al.
		Filing Date	January 12, 2007
		Group	1654
(37 C.F.R. § 1.98(b))		IDS Filed	January 22, 2010

U.S. PATENT DOCUMENTS			
	5,451,663	Sep. 19, 1995	Kang et al.
	5,453,517	Sep. 26, 1995	Kuhn et al.
	5,457,034	Oct. 10, 1995	della Valle et al.
	5,459,276	Oct. 17, 1995	Kuhn et al.
	5,462,856	Oct. 31, 1995	Lerner et al.
	5,501,979	Mar. 26, 1996	Geller et al.
	5,516,864	May 14, 1996	Kuhn et al.
	5,527,772	Jun. 18, 1996	Holick
	5,573,909	Nov. 12, 1996	Singer et al.
	5,578,461	Nov. 26, 1996	Sherwin et al.
	5,589,452	Dec. 31, 1996	Krstenansky et al.
	5,605,815	Feb. 25, 1997	Broadus et al.
	5,648,270	Jul. 15, 1997	Kuhn et al.
	5,656,465	Aug. 12, 1997	Panicali et al.
	5,723,218	Mar. 3, 1998	Haugland et al.
	5,741,486	Apr. 21, 1998	Pathak et al.
	5,763,416	Jun. 9, 1998	Bonadio et al.
	5,807,823	Sep. 15, 1998	Krstenansky et al.
	5,821,225	Oct. 13, 1998	Vickery
	5,836,905	Nov. 17, 1998	Lemelson et al.
	5,840,690	Nov. 24, 1998	Holick
	5,840,837	Nov. 24, 1998	Krstenansky et al.
	5,854,004	Dec. 29, 1998	Czemilofsky et al.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/538001
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No.	10/549,592
		Applicant	Gardella et al.
		Filing Date	January 12, 2007
		Group	1654
(37 C.F.R. § 1.98(b))		IDS Filed	January 22, 2010

U.S. PATENT DOCUMENTS			
	5,871,486	Feb. 16, 1999	Huebner et al.
	5,874,086	Feb. 23, 1999	Krstenansky et al.
	5,880,093	Mar. 9, 1999	Bagnoli
	5,917,123	Jun. 29, 1999	McTiemann et al.
	5,922,927	Jul. 13, 1999	Bujard et al.
	6,030,790	Feb. 29, 2000	Adermann et al.
	6,051,686	Apr. 18, 2000	Krstenansky et al.
	6,756,480	Jun. 29, 2004	Kostenuik et al.
	7,253,264	Aug. 7, 2007	Lauffer et al.
	7,572,765	Aug. 11, 2009	Gardella
	US 2003/0144209	Jul. 31, 2003	Bringhurst et al.
	US 2003/0162256	Aug. 28, 2003	Juppner et al.
	US 2003/0166838	Sep. 4, 2003	Gardella et al.
	US 2003/0171288	Sep. 11, 2003	Stewart
	US 2004/0176285	Sep. 9, 2004	Juppner et al.
	US 2005/0124537	Jun. 9, 2005	Kostenuik et al.
	US 2005/0203012	Sep. 15, 2005	Bringhurst et al.
	US 2005/0282749	Dec. 22, 2005	Henriksen et al.
	US 2006/0078559	Apr. 13, 2006	Migeotte et al.
	US 2007/0161569	Jul. 12, 2007	Gardella

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/538001
<p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)</p>		Serial No.	10/549,592
		Applicant	Gardella et al.
		Filing Date	January 12, 2007
		Group	1654
(37 C.F.R. § 1.98(b))		IDS Filed	January 22, 2010

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION				
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Translation (Yes/No)
	AU 668118	Apr. 26, 1996	Australia	
	CA 2126132	Dec. 18, 1995	Canada	
	CA 2126299	Dec. 12, 2000	Canada	
	EP 0 341 962	Nov. 15, 1989	EPO	
	EP 0 464 533	Jan. 8, 1992	EPO	(Related publication provided)
	EP 0 477 885	Apr. 1, 1992	EPO	
	EP 0 561 412	Sep. 22, 1993	EPO	
	EP 0 748 817	Dec. 18, 1996	EPO	
	EP 0 783 522	Jul. 16, 1997	EPO	Yes
	GB 2 269 176	Feb. 2, 1994	England	
	JP 58-96052	Jun. 7, 1983	JPO	(Abstract)
	JP 59-204159	Nov. 19, 1984	JPO	(Abstract)
	JP 5-32696	Feb. 9, 1993	JPO	(Related publication provided)
	JP 9-157294	Jun. 17, 1997	JPO	(Related publication provided)
	WO 92/017581	Oct. 15, 1992	WIPO	
	WO 92/017602	Oct. 15, 1992	WIPO	
	WO 93/006121	Apr. 1, 1993	WIPO	

EXAMINER	DATE CONSIDERED
<p>EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.</p>	

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/538001
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No.	10/549,592
		Applicant	Gardella et al.
		Filing Date	January 12, 2007
		Group	1654
(37 C.F.R. § 1.98(b))			IDS Filed
		January 22, 2010	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION				
	WO 93/006846	Apr. 15, 1993	WIPO	
	WO 93/009222	May 13, 1993	WIPO	
	WO 93/011257	Jun. 10, 1993	WIPO	Yes
	WO 94/002510	Feb. 3, 1994	WIPO	
	WO 94/012650	Jun. 9, 1994	WIPO	
	WO 95/002610	Jan. 26, 1995	WIPO	
	WO 96/003437	Feb. 8, 1996	WIPO	
	WO 96/010041	Apr. 4, 1996	WIPO	Yes
	WO 96/019206	Jun. 27, 1996	WIPO	
	WO 00/023594	Apr. 27, 2000	WIPO	
	WO 00/031137	Jun. 2, 2000	WIPO	
	WO 00/031266	Jun. 2, 2000	WIPO	
	WO 00/032771	Jun. 8, 2000	WIPO	
	WO 00/032775	Jun. 8, 2000	WIPO	
	WO 00/039278	Jul. 6, 2000	WIPO	
	WO 00/040698	Jul. 13, 2000	WIPO	
	WO 01/023427	Apr. 5, 2001	WIPO	
	WO 01/023521	Apr. 5, 2001	WIPO	
	WO 04/067021	Aug. 12, 2004	WIPO	
	WO 04/093902	Nov. 4, 2004	WIPO	
	WO 05/009358	Feb. 3, 2005	WIPO	

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/538001
		Serial No.	10/549,592
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant	Gardella et al.
		Filing Date	January 12, 2007
		Group	1654
(37 C.F.R. § 1.96(b))		IDS Filed	January 22, 2010

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Abou-Samra et al., "Phorbol 12-Myristate 13-Acetate and Vasopressin Potentiate the Effect of Corticotropin-Releasing Factor on Cyclic AMP Production in Rat Anterior Pituitary Cells. Mechanisms of Action," <i>J. Biol. Chem.</i> 262: 1129-1136 (1987).
	Abou-Samra et al., "Non-Homologous Sequences of Parathyroid Hormone and the Parathyroid Hormone Related Peptide Bind to a Common Receptor on ROS 17/2.8 Cells," <i>Endocrinology</i> 125: 2215-2217 (1989).
	Abou-Samra et al., "Cyclic Adenosine 3', 5'-Monophosphate (cAMP)-Dependent and cAMP-Independent Regulation of Parathyroid Hormone Receptors on UMR 106-01 Osteoblastic Osteosarcoma Cells," <i>Endocrinology</i> 129: 2547-2554 (1991).
	Abou-Samra et al., "Down-Regulation of Parathyroid (PTH)/PTH-Related Peptide Receptor Immunoreactivity and PTH Binding in Opossum Kidney Cells by PTH and Dexamethasone," <i>Endocrinology</i> 135: 2588-2594 (1994).
	Adams et al., "Probing the Bimolecular Interactions of Parathyroid Hormone and the Human Parathyroid Hormone/Parathyroid Hormone-Related Protein Receptor. 2. Cloning, Characterization, and Photoaffinity Labeling of the Recombinant Human Receptor," <i>Biochemistry</i> 34: 10553-10559 (1995).
	Alberts et al., "Chapter 6: Basic Genetic Mechanisms" in: <i>Molecular Biology of The Cell</i> , 3rd Edition, pp. 234-237 and the Genetic Code Table (Garland Pub., New York, NY, 1994).
	Azarani et al., "Parathyroid Hormone and Parathyroid Hormone-Related Peptide Activate the Na <sup>+</sup> /H <sup>+</sup> Exchanger NHE-1 Isoform in Osteoblastic Cells (UMR-106) via a cAMP-dependent Pathway," <i>J. Biol. Chem.</i> 270: 23166-23172 (1995).
	Barbier et al., "Bioactivities and Secondary Structures of Constrained Analogues of Human Parathyroid Hormone: Cyclic Lactams of the Receptor Binding Region," <i>J. Med. Chem.</i> 40:1373-1380 (1997).
	Barbier et al., "Structural Requirements for Conserved Arginine of Parathyroid Hormone," <i>Biochemistry</i> 40: 8955-8961 (2001).
	Barbier et al., "Backbone-Methylated Analogues of the Principle Receptor Binding Region of Human Parathyroid Hormone. Evidence for Binding to Both the N-Terminal Extracellular Domain and Extracellular Loop Region," <i>J. Biol. Chem.</i> 280: 23771-23777 (2005).
	Barden et al., "NMR Study of a 34-Residue N-Terminal Fragment of a Parathyroid Hormone-Related Protein Secreted During Humoral Hypercalcemia of Malignancy," <i>Eur. J. Biochem.</i> 184: 379-384 (1989).
	Barden et al., "Stabilized NMR Structure of the Hypercalcemia of Malignancy Peptide PTHrP[Ala-26](1-34)Amide," <i>Biochim. Biophys. Acta</i> 1208: 256-262 (1994).
	Becker et al., "Procedure Guideline for Thyroid Scintigraphy. 1.0. Society of Nuclear Medicine," <i>J. Nucl. Med.</i> 37: 1264-1266 (1996).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No. 00786/538001
		Serial No. 10/549,592
		Applicant Gardella et al.
		Filing Date January 12, 2007
		Group 1654
		IDS Filed January 22, 2010
(37 C.F.R. § 1.98(b))		

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Behar et al., "Histidine at Position 5 is the Specificity "Switch" between Two Parathyroid Hormone Receptor Subtypes," <i>Endocrinology</i> 137: 4217-4224 (1996).
	Bergwitz et al., "Identification, Functional Characterization, and Developmental Expression of Two Nonallelic Parathyroid Hormone (PTH)/PTH-Related Peptide Receptor Isoforms in <i>Xenopus laevis</i> (Daudin)," <i>Endocrinology</i> 139: 723-732 (1996).
	Berlot, "A Highly Effective Dominant Negative Alpha s Construct Containing Mutations that Affect Distinct Functions Inhibits Multiple Gs-Coupled Receptor Signaling Pathways," <i>J. Biol. Chem.</i> 277: 21080-21085 (2002).
	Bettoun et al., "Cloning and Characterization of the Promoter Regions of the Human Parathyroid Hormone (PTH)/PTH-Related Peptide Receptor Gene: Analysis of Deoxyribonucleic Acid from Normal Subjects and Patients with Pseudohypoparathyroidism Type 1b," <i>J. Clin. Endocrinol. Metab.</i> 82: 1031-1040 (1997).
	Bettoun et al., "Developmental Upregulation of Human Parathyroid Hormone (PTH)/PTH-Related Peptide Receptor Gene Expression from Conserved and Human-specific Promoters," <i>J. Clin. Invest.</i> 102: 958-967 (1998).
	Bisello et al., "Parathyroid Hormone-Receptor Interactions Identified Directly by Photocross-Linking and Molecular Modeling Studies," <i>J. Biol. Chem.</i> 273: 22498-22505 (1998).
	Bisello et al., "Selective Ligand-Induced Stabilization of Active and Desensitized Parathyroid Hormone Type 1 Receptor Conformations," <i>J. Biol. Chem.</i> 277: 38524-38530 (2002).
	Bork et al., "Go Hunting in Sequence Databases but Watch Out for the Traps," <i>Trends Genet.</i> 12: 425-427 (1996).
	Bork, "Powers and Pitfalls in Sequence Analysis: The 70% Hurdle," <i>Genome Res.</i> 10: 398-400 (2000).
	Bos et al., "Expression of the Parathyroid Hormone Receptor and Correlation with Other Osteoblastic Parameters in Fetal Rat Osteoblasts," <i>Calif. Tissue Int.</i> 58:95-100 (1996).
	Brenner, "Errors in Genome Annotation," <i>Trends Genet.</i> 15: 132-133 (1999).
	Bringhurst et al., "Cloned, Stably Expressed Parathyroid Hormone (PTH)/PTH-Related Peptide Receptors Activate Multiple Messenger Signals and Biological Responses in LLC-PK1 Kidney Cells," <i>Endocrinology</i> 132: 2090-2098 (1993).
	Broadus et al., "Parathyroid Hormone-Related Protein: Structure, Processing, and Physiological Actions," in: <i>The Parathyroids</i> (eds. J. P. Bilezikian et al.), pp. 259-294 (Raven Press Ltd., New York, NY, 1994).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/538001
		Serial No.	10/549,592
		Applicant	Gardella et al.
		Filing Date	January 12, 2007
		Group	1654
		IDS Filed	January 22, 2010

(37 C.F.R. § 1.98(b))

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Bundi et al., "Characterisation of a Local Structure in the Synthetic Parathyroid Hormone Fragment 1-34 by 1H Nuclear-Magnetic-Resonance Techniques," <i>Eur. J. Biochem.</i> 91: 201-208 (1978).
	Campbell et al., "Totipotency or Multipotentiality of Cultured Cells: Applications and Progress," <i>Theriogenology</i> 47: 63-72 (1997).
	Carter et al., "Zinc(II)-Mediated Enhancement of the Agonist Activity of Histidine-Substituted Parathyroid Hormone (1-14) Analogues," <i>Biochem. Biophys. Acta</i> 1538: 290-304 (2001).
	Castro et al., "Dual Regulation of the Parathyroid Hormone (PTH)/PTH-Related Peptide Receptor Signaling by Protein Kinase C and Beta-Arrestins," <i>Endocrinology</i> 143: 3854-3865 (2002);
	Castro et al., "Turn-On Switch in Parathyroid Hormone Receptor by a Two-Step Parathyroid Hormone Binding Mechanism," <i>Proc. Natl. Acad. Sci. USA</i> 102: 16084-16089 (2005)
	Catanzariti et al., "A Novel Expression System for Gs-Coupled Receptors," <i>BioTechniques</i> 15: 474-479 (1993).
	Caulfield et al., "The Bovine Renal Parathyroid Hormone (PTH) Receptor has Equal Affinity for Two Different Amino Acid Sequences: The Receptor Binding Domains of PTH and PTH-related Protein are Located within the 14-34 Region," <i>Endocrinology</i> 127: 83-87 (1990).
	Caulfield et al., "Parathyroid Hormone-Receptor Interactions," <i>Trends Endocrinol. Metab.</i> 1: 164-168 (1990).
	Chakrabarty, "Large Differences in the Helix Propensities of Alanine and Glycine," <i>Nature</i> 351: 586-588 (1991).
	Chauvin et al., "Parathyroid Hormone Receptor Recycling: Role of Receptor Dephosphorylation and Beta-Arrestin," <i>Mol. Endocrinol.</i> 16: 2720-2732 (2002).
	Chorev et al., "Cyclic Parathyroid Hormone Related Protein Antagonists: Lysine 13 to Aspartic Acid 17 [i to (i + 4)] Side Chain to Side Chain Lactamization," <i>Biochemistry</i> 30: 5968-5974 (1991).
	Chu et al., "Porcine Proparathyroid Hormone. Identification, Biosynthesis, and Partial Amino Acid Sequence," <i>Biochemistry</i> 14: 3631-3635 (1975).
	Civitelli et al., "Parathyroid Hormone-Related Peptide Transiently Increases Cytosolic Calcium in Osteoblast-Like Cells: Comparison with Parathyroid Hormone," <i>Endocrinology</i> 125: 1204-1210 (1989).
	Colquhoun, "Binding, Gating, Affinity, and Efficacy: The Interpretation of Structure-Activity Relationships for Agonists and of the Effects of Mutating Receptors," <i>Br. J. Pharmacol.</i> 125: 924-947 (1998)

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	



SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/538001
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No.	10/549,592
(37 C.F.R. § 1.98(b))		Applicant	Gardella et al.
		Filing Date	January 12, 2007
		Group	1654
		IDS Filed	January 22, 2010

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Condon et al., "The Bioactive Conformation of Human Parathyroid Hormone. Structural Evidence for the Extended Helix Postulate," <i>J. Am. Chem. Soc.</i> 122: 3007-3014 (2000).
	Cwirla et al., "Peptide Agonist of the Thrombopoietin Receptor as Potent as the Natural Cytokine," <i>Science</i> 276: 1696-1699 (1997).
	Dang et al., "Gene Therapy and Translational Cancer Research," <i>Clin. Cancer Res.</i> 5: 471-474 (1999).
	Dautzenberg et al., "Mapping of the Ligand-Selective Domain of the <i>Xenopus laevis</i> Corticotropin-Releasing Factor Receptor 1: Implications for the Ligand-Binding Site," <i>Proc. Natl. Acad. Sci. USA</i> 95: 4941-4946 (1998).
	DeAlmeida et al., "Identification of Binding Domains of the Growth Hormone-Releasing Hormone Receptor by Analysis of Mutant and Chimeric Receptor Proteins," <i>Mol. Endocrinol.</i> 12: 750-765 (1998).
	Dean et al., "Mechanisms of Ligand Binding to the Parathyroid Hormone (PTH)/PTH-Related Protein Receptor: Selectivity of a Modified PTH(1-15) Radioligand for Galphas-Coupled Receptor Conformations," <i>Mol. Endocrinol.</i> 20: 931-943 (2006).
	Dempster et al., "On the Mechanism of Cancellous Bone Preservation in Postmenopausal Women with Mild Primary Hyperparathyroidism," <i>J. Clin. Endocrinol. Metab.</i> 84: 1562-1566 (1999).
	Ding et al., "A Single Amino Acid Determines the Immunostimulatory Activity of Interleukin 10," <i>J. Exp. Med.</i> 191:213-223 (2000).
	Doerks et al., "Protein Annotation: Detective Work for Function Prediction," <i>Trends Genet.</i> 14: 248-250 (1998).
	Dohlman et al., "Model Systems for the Study of Seven-Transmembrane-Segment Receptors," <i>Annu. Rev. Biochem.</i> 60: 653-688 (1991).
	Dong et al., "Demonstration of a Direct Interaction between Residue 22 in the Carboxyl-Terminal Half of Secretin and the Amino-Terminal Tail of the Secretin Receptor Using Photoaffinity Labeling," <i>J. Biol. Chem.</i> 274: 903-909 (1999).
	Ebert et al., "A Moloney MLV-Rat Somatotropin Fusion Gene Produces Biologically Active Somatotropin in a Transgenic Pig," <i>Mol. Endocrinol.</i> 2: 277-283 (1988).
	Epand, "Relationships Among Several Different Non-Homologous Polypeptide Hormones," <i>Mol. Cell Biochem.</i> 57: 41-47 (1983).
	Fischer et al., "Human Parathyroid Hormone. Immunological Characterization of Antibodies Against a Glandular Extract and the Synthetic Amino-Terminal Fragments 1-12 and 1-34 and their Use in the Determination of Immunoreactive Hormone in Human Sera," <i>J. Clin. Invest.</i> 54: 1382-1394 (1974).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/538001
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No.	10/549,592
		Applicant	Gardella et al.
		Filing Date	January 12, 2007
		Group	1654
(37 C.F.R. § 1.98(b))		IDS Filed	January 22, 2010

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Freyaldenhoven et al., "Protein Kinase C Differentially Modulates PTH- and PGE2-Sensitive Adenylate Cyclase in Osteoblast-Like Cells," <i>Am. J. Physiol.</i> 262: E87-E95 (1992).
	Fujimori et al., "Dissociation of Second Messenger Activation by Parathyroid Hormone Fragments in Osteosarcoma Cells," <i>Endocrinology</i> 128: 3032-3039 (1991).
	Fukuyama et al., "Mechanisms of Desensitization to Parathyroid Hormone in Human Osteoblast-Like SaOS-2 Cells," <i>Endocrinology</i> 131: 1757-1769 (1992).
	Fukuyama et al., "Role of Protein Kinase-A in Homologous Down-Regulation of Parathyroid Hormone (PTH)/PTH-Related Peptide Receptor Messenger Ribonucleic Acid in Human Osteoblast-Like SaOS-2 Cells," <i>Endocrinology</i> 134: 1851-1858 (1994).
	Gardella et al., "Expression of Human Parathyroid Hormone-(1-84) in <i>Escherichia coli</i> as a Factor X-cleavable Fusion Protein," <i>J. Biol. Chem.</i> 265: 15854-15859 (1990).
	Gardella et al., "Scanning Mutagenesis of the 23-35 Region of Parathyroid Hormone Reveals Important Determinants of Receptor Binding," in: <i>Calcium Regulating Hormones and Bone Metabolism: Basic and Clinical Aspects</i> (eds. D.V. Cohn et al.), vol. 11, pp. 218-222 (Excerpta Medica, Amsterdam, 1992).
	Gensure et al., "Multiple Sites of Contact between the Carboxyl-Terminal Binding Domain of PTHrP-(1-36) Analogs and the Amino-Terminal Extracellular Domain of the PTH/PTHrP Receptor Identified by Photoaffinity Cross-Linking," <i>J. Biol. Chem.</i> 276: 28650-28658 (2001).
	Gensure et al., "Identification of a Contact Site for Residue 19 of Parathyroid Hormone (PTH) and PTH-Related Protein Analogs in Transmembrane Domain Two of the Type 1 PTH Receptor," <i>Mol Endocrinol.</i> 17: 2647-2658 (2003).
	Gensure et al., "Parathyroid Hormone and Parathyroid Hormone-Related Peptide, and their Receptors," <i>Biochem. Biophys. Res. Commun.</i> 328: 666-678 (2005).
	Goltzman et al., "Influence of Guanyl Nucleotides on Parathyroid Hormone-Stimulated Adenylyl Cyclase Activity in Renal Cortical Membranes," <i>Endocrinology</i> 103: 1352-1360 (1978).
	Grace et al., "NMR Structure and Peptide Hormone Binding Site of the First Extracellular Domain of a Type B1 G Protein-Coupled Receptor," <i>Proc. Natl. Acad. Sci. USA</i> 101: 12836-12841 (2004).
	Greenberg et al., "Mapping the Bimolecular Interface of the Parathyroid Hormone (PTH)-PTH1 Receptor Complex: Spatial Proximity between Lys(27) (of the Hormone Principal Binding Domain) and Leu(261) (of the First Extracellular Loop) of the Human PTH1 Receptor," <i>Biochemistry</i> 39: 8142-8152 (2000).
	Habashita et al., "Synthesis and Biological Activities of hPTH(1-34) Analogues: Modification of the Middle Part and C-terminal Alkylamides," in: <i>Peptide Science- Present and Future: Proceedings of the 1st International Peptide Symposium</i> (ed. Y. Shimonishi), pp. 711-713 (Kluwer Acad. Pub., Great Britain, 1997).
EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/538001
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No.	10/549,592
		Applicant	Gardella et al.
		Filing Date	January 12, 2007
		Group	1654
(37 C.F.R. § 1.98(b))		IDS Filed	January 22, 2010

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Hammer et al., "Genetic Engineering of Mammalian Embryos," <i>J. Anim. Sci.</i> 63: 269-278 (1986).
	Heinrich et al., "Gene Encoding Parathyroid Hormone. Nucleotide Sequence of the Rat Gene and Deduced Amino Acid Sequence of Rat Preproparathyroid Hormone," <i>J. Biol. Chem.</i> 259: 3320-3329 (1984).
	Heinrich et al., "Rat Parathyroid Hormone Gene, Exons II and III," Alignment result 8, SEQ ID NO: 1, Database: GenEmbl, Accession NO: K01268 (Apr. 27, 1993).
	Hjorth et al., "Constitutive Activity of Glucagon Receptor Mutants," <i>Mol. Endocrinol.</i> 12:78-86 (1998).
	Hoare et al., "Measurement of Agonist and Antagonist Ligand-Binding Parameters at the Human Parathyroid Hormone Type 1 Receptor: Evaluation of Receptor States and Modulation by Guanine Nucleotide," <i>J. Pharmacol. Exp. Ther.</i> 289: 1323-1333 (1999).
	Holtmann et al., "Critical Contributions of Amino-terminal Extracellular Domains in Agonist Binding and Activation of Secretin and Vasoactive Intestinal Polypeptide Receptors. Studies of Chimeric Receptors," <i>J. Biol. Chem.</i> 270: 14394-14398 (1995).
	Holtmann et al., "Molecular Basis and Species Specificity of High Affinity Binding of Vasoactive Intestinal Polypeptide by the Rat Secretin Receptor. Effect of Receptor-G-Protein Interaction on the Ligand Binding Mechanism and Receptor Conformation," <i>J. Pharmacol. Exp. Ther.</i> 279: 555-560 (1996).
	Horiuchi et al., "Evaluation of a Parathyroid Hormone Antagonist in an In Vivo Multiparameter Bioassay," <i>Am. J. Physiol.</i> 253: E187-192 (1987).
	Iida-Klein et al., "Structural Requirements of Parathyroid Hormone/Parathyroid Hormone-Related Peptide Receptors for Phospholipase C Activation and Regulation of Phosphate Uptake," <i>Miner. Electrolyte Metab.</i> 21: 177-179 (1995).
	Inomata et al., "Characterization of a Novel Parathyroid Hormone (PTH) Receptor with Specificity for the Carboxyl-Terminal Region of PTH-(1-84)," <i>Endocrinology</i> 136: 4732-4740 (1995).
	Ishihara et al., "Molecular Cloning and Expression of a cDNA Encoding the Secretin Receptor," <i>EMBO J.</i> 10: 1635-1641 (1991).
	Iwakura et al., "Effects of the Length of a Glycine Linker Connecting the N- and C-Termini of a Circularly Permuted Dihydrofolate Reductase," <i>Protein Eng.</i> 11: 707-713 (1998).
	Jans et al., "LLC-PK1 Cell Mutants in cAMP Metabolism Respond Normally to Phorbol Esters," <i>FEBS Lett.</i> 205: 127-131 (1986).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/538001
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No.	10/549,592
		Applicant	Gardella et al.
		Filing Date	January 12, 2007
		Group	1654
(37 C.F.R. § 1.98(b))		IDS Filed	January 22, 2010

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Janulis et al., "Structure-Function Requirements of Parathyroid Hormone for Stimulation of 1,25-Dihydroxyvitamin D3 Production by Rat Renal Proximal Tubules," <i>Endocrinology</i> 133: 713-719 (1993).
	Ji et al., "Human Chorionadotropin Binds to a Lutropin Receptor with Essentially No N-terminal Extension and Stimulates cAMP Synthesis," <i>J. Biol. Chem.</i> 266: 13076-13079 (1991).
	Jin et al., "Crystal Structure of Human Parathyroid Hormone 1-34 at 0.9-A Resolution," <i>J. Biol. Chem.</i> 275: 27238-27244 (2000).
	Jing et al., "GDNF-Induced Activation of the Ret Protein Tyrosine Kinase Is Mediated by GDNFR-alpha, a Novel Receptor for GDNF," <i>Cell</i> 85: 1113-1124 (1996).
	Jouishomme et al., "The Protein Kinase-C Activation Domain of the Parathyroid Hormone," <i>Endocrinology</i> 130: 53-60 (1992).
	Kappel et al., "Regulating Gene Expression in Transgenic Animals," <i>Curr. Op. Biotechnol.</i> 3: 548-553 (1992).
	Karaplis et al., "Lethal Skeletal Dysplasia From Targeted Disruption of the Parathyroid Hormone-Related Peptide Gene," <i>Genes Dev.</i> 8: 277-289 (1994).
	Kaufman et al., "Transgenic Analysis of a 100-kb Human Beta-Globin Cluster-Containing DNA Fragment Propagated as a Bacterial Artificial Chromosome," <i>Blood</i> 94: 3178-3184 (1999).
	Kaufmann et al., "Functional Expression of a Stably Transfected Parathyroid Hormone/Parathyroid Hormone Related Protein Receptor Complementary DNA in CHO cells," <i>Mol. Cell. Endocrinol.</i> 104: 21-27 (1994).
	Kemp et al., "Parathyroid Hormone-Related Protein of Malignancy: Active Synthetic Fragments," <i>Science</i> 238: 1568-1570 (1987).
	Kimura et al., "Strategy for the Synthesis of Large Peptides: An Application to the Total Synthesis of Human Parathyroid Hormone [hPTH(1-84)]," <i>Biopolymers</i> 20: 1823-1832 (1981).
	Kimura et al., "Discovery of a Novel Thrombopoietin Mimic Agonist Peptide," <i>J. Biochem.</i> 122: 1046-1051 (1997).
	Klaus et al., "Investigation of the Solution Structure of the Human Parathyroid Hormone Fragment (1-34) by 1H NMR Spectroscopy, Distance Geometry, and Molecular Dynamics Calculations," <i>Biochemistry</i> 30: 6936-6942 (1991).
	Kolakowski, "GCRDb: A G-Protein-Coupled Receptor Database," <i>Receptors and Channels</i> 2: 1-7 (1994).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/538001	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No.	10/549,592	
		Applicant	Gardella et al	
		Filing Date	January 12, 2007	
		Group	1654	
(37 C.F.R. § 1.98(b))			IDS Filed	January 22, 2010

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Kronenberg et al., "The PTH/PTHrP Receptor: One Receptor for Two Ligands," in: <i>Molecular Genetics of Endocrine Disorders</i> (ed. R.V. Thakker), pp. 389-420 (Chapman & Hall, New York, NY, 1997).
	Lanske et al., "PTH/PTHrP Receptor in Early Development and Indian Hedgehog-Regulated Bone Growth," <i>Science</i> 273: 663-666 (1996).
	Li et al., "Minimization of a Polypeptide Hormone," <i>Science</i> 270: 1657-1660 (1995).
	Lin et al., "Expression Cloning of an Adenylate Cyclase-Coupled Calcitonin Receptor," <i>Science</i> 254: 1022-1024 (1991).
	Livnah et al., "Functional Mimicry of a Protein Hormone by a Peptide Agonist: The EPO Receptor Complex at 2.8 Å," <i>Science</i> 273: 464-471 (1996).
	Majeska et al., "Parathyroid Hormone-Responsive Clonal Cell Lines from Rat Osteosarcoma," <i>Endocrinology</i> 107: 1494-1503 (1980).
	Matsumoto et al., "Daily Nasal Spray of hPTH(1-34) for 3 Months Increases Bone Mass in Osteoporotic Subjects: A Pilot Study," <i>Osteoporos. Int.</i> 17: 1532-1538 (2006).
	McCuaig et al., "Molecular Cloning of the Gene Encoding the Mouse Parathyroid Hormone/Parathyroid Hormone-Related Peptide Receptor," <i>Proc. Natl. Acad. Sci. USA</i> 91: 5051-5055 (1994).
	Menniti et al., "Different Modes of Regulation for Receptors Activating Phospholipase C in the Rat Pancreatoma Cell Line AR4-2J," <i>Mol. Pharmacol.</i> 40: 727-733 (1991).
	Mickle et al., "Genotype-Phenotype Relationships in Cystic Fibrosis," <i>Med. Clin. North Am.</i> 84: 597-607 (2000).
	Mikayama et al., "Molecular Cloning and Functional Expression of a cDNA Encoding Glycosylation-Inhibiting Factor," <i>Proc. Natl. Acad. Sci. USA</i> 90: 10056-10060 (1993).
	Mitchell et al., "Mechanisms of Homologous and Heterologous Regulation of Parathyroid Hormone Receptors in the Rat Osteosarcoma Cell Line UMR-106," <i>Endocrinology</i> 126: 2650-2660 (1990).
	Mullins et al., "Perspective Series: Molecular Medicine in Genetically Engineered Animals," <i>J. Clin. Invest.</i> 98:S37-S40 (1996).
	Murray et al., "Dexamethasone-Treated ROS 17/2.8 Rat Osteosarcoma Cells are Responsive to Human Carboxyterminal Parathyroid Hormone Peptide hPTH (53-84): Stimulation of Alkaline Phosphatase," <i>Calcif. Tissue Int.</i> 49: 120-123 (1991).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/538001
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Serial No.	10/549,592
		Applicant	Gardella et al.
		Filing Date	January 12, 2007
		Group	1654
(37 C.F.R. § 1.98(b))		IDS Filed	January 22, 2010

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Musso et al., "Renal Vasodilatation and Microvessel Adenylate Cyclase Stimulation by Synthetic Parathyroid Hormone-Like Protein Fragments," <i>Eur. J. Pharmacol.</i> 174: 139-151 (1989).
	Nakamoto et al., "Probing the Bimolecular Interactions of Parathyroid Hormone with the Human Parathyroid Hormone/Parathyroid Hormone-Related Protein Receptor. 1. Design, Synthesis and Characterization of Photoreactive Benzophenone-Containing Analogs of Parathyroid Hormone," <i>Biochemistry</i> 34: 10546-10552 (1995).
	Nakamura et al., "Action of Fragments of Human Parathyroid Hormone on Blood Pressure in Rats," <i>Endocrinol. Jpn.</i> 28: 547-549 (1981).
	Neugebauer et al., "Structural Elements of Human Parathyroid Hormone and their Possible Relation to Biological Activities," <i>Biochemistry</i> 31: 2056-2063 (1992).
	Ngo et al., "Chapter 14: Computational Complexity, Protein Structure Prediction, and the Levinthal Paradox," in: <i>The Protein Folding Problem and Tertiary Structure Prediction</i> (eds. K.M. Merz et al.), pp. 492-495 (Birkhäuser Verlag, Boston, MA, 1995).
	Nielsen et al., "Identification of Prokaryotic and Eukaryotic Signal Peptides and Prediction of their Cleavage Sites," <i>Prot. Eng.</i> 10:1-6 (1997).
	Nissenson et al., "Synthetic Peptides Comprising the Amino-Terminal Sequence of a Parathyroid Hormone-Like Protein from Human Malignancies. Binding to Parathyroid Hormone Receptors and Activation of Adenylate Cyclase in Bone Cells and Kidney," <i>J. Biol. Chem.</i> 263: 12866-12871 (1988).
	Oldenburg et al., "Conformational Studies on Analogs of Recombinant Parathyroid Hormone and their Interactions with Phospholipids," <i>J. Biol. Chem.</i> 271: 17582-17591 (1996).
	Orkin et al., "Report and Recommendations of the Panel to Assess the NIH Investment in Research on Gene Therapy," available online at <a href="http://www.nih.gov/news/panelrep.html">http://www.nih.gov/news/panelrep.html</a> , pp. 1-39 (1995).
	Pang et al., "Purification of Unique alpha Subunits of GTP-Binding Regulatory Proteins (G Proteins) by Affinity Chromatography with Immobilized beta gamma Subunits," <i>J. Biol. Chem.</i> 265: 18707-18712 (1990).
	Parsons et al., "Pharmacology of Parathyroid Hormone and Some of its Fragments and Analogues," in: <i>Calcium-regulating hormones. Proceedings of the Fifth Parathyroid Conference, Oxford, United Kingdom, Jul. 21-26, 1974</i> (eds. R.V. Talmage et al.), pp. 33-39 (Am. Elsevier Pub. Co., New York, NY, 1975).
	Peggion et al., "Structure-Function Studies of Analogues of Parathyroid Hormone (PTH)-1-34 Containing Beta-Amino Acid Residues in Positions 11-13," <i>Biochemistry</i> 41: 8162-8175 (2002).
	Pellegrini et al., "Addressing the Tertiary Structure of Human Parathyroid Hormone-(1-34)," <i>J. Biol. Chem.</i> 273: 10420-10427 (1998).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No. Serial No. Applicant Filing Date Group IDS Filed	00786/538001 10/549,592 Gardella et al. January 12, 2007 1654 January 22, 2010
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)			
(37 C.F.R. § 1.98(b))			

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Pettit et al., "The Development of Site-Specific Drug-Delivery Systems for Protein and Peptide Biopharmaceuticals," <i>Trends Biotechnol.</i> 16: 343-349 (1998).
	Phillips et al., "The Challenge of Gene Therapy and DNA Delivery," <i>J. Pharm. Pharmacol.</i> 53: 1169-1174 (2001).
	Pines et al., "Generation and Characterization of Human Kidney Cell Lines Stably Expressing Recombinant Human PTH/PTHrP Receptor: Lack of Interaction with a C-Terminal Human PTH Peptide," <i>Endocrinology</i> 135: 1713-1716 (1994).
	Pines et al., "Inositol 1-,4-,5-Trisphosphate-Dependent Ca <sup>2+</sup> Signaling by the Recombinant Human PTH/PTHrP Receptor Stably Expressed in a Human Kidney Cell Line," <i>Bone</i> 18: 381-389 (1996).
	Potts et al., "Parathyroid Hormone and Parathyroid Hormone-Related Peptide in Calcium Homeostasis, Bone Metabolism, and Bone Development: The Proteins, Their Genes, and Receptors," in: <i>Metabolic Bone Disease, 3rd Edition</i> (eds. L.V. Avioli et al.), pp. 51-94 (Acad. Press, San Diego, CA, 1998).
	Ray et al., "NMR Solution Structure of the [Ala26]Parathyroid-Hormone-Related Protein (1-34) Expressed in Humoral Hypercalcemia of Malignancy," <i>Eur. J. Biochem.</i> 211: 205-211 (1993).
	Reidhaar-Olson et al., "Active Variants of Human Parathyroid Hormone (1-34) with Multiple Amino Acid Substitutions," <i>Mol. Cell. Endocrinol.</i> 160: 135-147 (2000).
	Rölz et al., "Characterization of the Molecular Motions of Constitutively Active G Protein-Coupled Receptors for Parathyroid Hormone," <i>Biophys. Chem.</i> 89: 119-128 (2001).
	Romano et al., "Latest Developments in Gene Transfer Technology: Achievements, Perspectives, and Controversies over Therapeutic Applications," <i>Stem Cells</i> 18: 19-39 (2000).
	Rosenblatt et al., "Design and Synthesis of Parathyroid Hormone Analogues of Enhanced Biological Activity," <i>Endocr. Res. Commun.</i> 4: 115-133 (1977).
	Rosenblatt et al., "Identification of a Receptor-binding Region in Parathyroid Hormone," <i>Endocrinology</i> 107: 545-550 (1980).
	Rosenblatt, "Parathyroid Hormone: Chemistry and Structure-Activity Relations," <i>Pathobiol. Annu.</i> 11: 53-86 (1981).
	Rosol et al., "Sequences of the cDNAs Encoding Canine Parathyroid Hormone-Related Protein and Parathyroid Hormone," <i>Gene</i> 160: 241-243 (1995).
	Rubin et al., "Molecular Cloning and Expression of Receptors for Parathyroid Hormone (PTH) and PTH-Related (PTHrP) Protein in Zebrafish," <i>Am. Zoologist</i> 36: 97A, Abstract No. 373 (1996).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/538001
		Serial No.	10/549,562
		Applicant	Gardella et al.
		Filing Date	January 12, 2007
		Group	1654
		IDS Filed	January 22, 2010

(37 C.F.R. § 1.98(b))

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)

	Rubin et al., "Parathyroid Hormone (PTH)/PTH-Related (PTHrP) Receptor Cloning and in Situ Hybridization in the Zebrafish, <i>Danio Rerio</i> ," <i>Am. Zoologist</i> 37: 181A, Abstract No. 651 (1997).
	Rubin et al., "Molecular Cloning of a Zebrafish cDNA Encoding a Novel Parathyroid Hormone (PTH)/PTH-Related Protein (PTHrP) Receptor (PPR)," <i>Bone</i> 23: S255, Abstract No. T224 (1998).
	Rubin et al., "Zebrafish Express the Common Parathyroid Hormone/Parathyroid Hormone-Related Peptide Receptor (PTH1R) and a Novel Receptor (PTH3R) that is Preferentially Activated by Mammalian and Fugufish Parathyroid Hormone-Related Peptide," <i>J. Biol. Chem.</i> 274: 28185-28190 (1999).
	Sacchetti et al., "Green Fluorescent Protein Variants Fold Differentially in Prokaryotic and Eukaryotic Cells," <i>J. Cell. Biochem. Suppl.</i> 36: 117-126 (2001).
	Sargent et al., "Membrane Lipid Phase as Catalyst for Peptide-Receptor Interactions," <i>Proc. Natl. Acad. Sci. USA</i> 83: 5774-5778 (1986).
	Schipani et al., "A Constitutively Active Mutant PTH-PTHrP Receptor in Jansen-Type Metaphyseal Chondrodysplasia," <i>Science</i> 268: 98-100 (1995).
	Schipani et al., "Pseudohypoparathyroidism Type Ib is not Caused by Mutations in the Coding Exons of the Human Parathyroid Hormone (PTH)/PTH-Related Peptide Receptor Gene," <i>J. Clin. Endocrinol. Metab.</i> 80: 1611-1621 (1995).
	Segre et al., "Receptors for Secretin, Calcitonin, Parathyroid Hormone (PTH)/PTH-Related Peptide, Vasoactive Intestinal Peptide, Glucagonlike Peptide 1, Growth Hormone-Releasing Hormone, and Glucagon Belong to a Newly Discovered G-protein-Linked Receptor Family," <i>Trends Endocrinol. Metab.</i> 4: 309-314 (1993).
	Shigeno et al., "Parathyroid Hormone Receptors are Plasma Membrane Glycoproteins with Asparagine-Linked Oligosaccharides," <i>J. Biol. Chem.</i> 263: 3872-3878 (1988).
	Shimizu et al., "Residue 19 of the Parathyroid Hormone (PTH) Modulates Ligand Interaction with the Juxtamembrane Region of the PTH-1 Receptor," <i>Biochemistry</i> 41: 13224-13233 (2002).
	Shimizu et al., "Amino-Terminal Parathyroid Hormone Fragment Analogs Containing $\alpha$ , $\alpha$ -di-alkyl Amino Acids at Positions 1 and 3," <i>J. Bone Miner. Res.</i> 19: 2078-2086 (2004).
	Shimizu et al., "Novel Parathyroid Hormone (PTH) Antagonists that Bind to the Juxtamembrane Portion of the PTH/PTH-Related Protein Receptor," <i>J. Biol. Chem.</i> 280: 1797-1807 (2005).
	Siegfried et al., "Parathyroid Hormone Stimulates Ecto-5'-Nucleotidase Activity in Renal Epithelial Cells: Role of Protein Kinase-C," <i>Endocrinology</i> 136: 1267-1275 (1995).
	Simon et al., "Diversity of G Proteins in Signal Transduction," <i>Science</i> 252: 802-808 (1991).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.



SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/538001
		Serial No.	10/549,592
		Applicant	Gardella et al.
		Filing Date	January 12, 2007
		Group	1654
		IDS Filed	January 22, 2010
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)			
(37 C.F.R. § 1.98(b))			

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Skolnick et al., "From Genes to Protein Structure and Function: Novel Applications of Computational Approaches in the Genomic Era," <i>Trends Biotechnol.</i> 18: 34-39 (2000).
	Smith et al., "The Challenges of Genome Sequence Annotation or "The devil is in the details"," <i>Nat. Biotechnol.</i> 15: 1222-1223 (1997).
	Strathman et al., "G Protein Diversity: A Distinct Class of alpha Subunits is Present in Vertebrates and Invertebrates," <i>Proc. Natl. Acad. Sci. USA</i> 87: 9113-9117 (1990).
	Strojek et al., "The Use of Transgenic Animal Techniques for Livestock Improvement," in: <i>Genetic Engineering: Principles and Methods</i> , vol. 10 (eds. J.K. Setlow et al.), pp. 221-246 (Plenum Press, New York, NY, 1988).
	Stroop et al., "Chimeric Human Calcitonin and Glucagon Receptors Reveal Two Dissociable Calcitonin Interaction Sites," <i>Biochemistry</i> 34: 1050-1057 (1995).
	Sunyaev et al., "From Analysis of Protein Structural Alignments Toward a Novel Approach to Align Protein Sequences," <i>Proteins</i> 54: 569-582 (2004).
	Szabo, "In Situ Hybridization," in: <i>Human Chromosomes: Manual of Basic Techniques</i> (eds. R.S. Verma et al.), pp. 152-165 (Pergamon Press, New York, NY, 1989).
	Takasu et al., "Human PTH/PTHrP Receptors and Type-2 PTH Receptors Show Discordant Selectivity for Human PTH Analogs with Amino-Terminal Modifications," <i>Bone</i> 23:S255, Abstract No. T223 (1998).
	Takasu et al., "Phospholipase C Activation via the Human PTH/PTHrP Receptor Requires an Intact Amino-Terminus of Human PTH," <i>Bone</i> 23: S447, Abstract No. F148 (1998).
	Tan et al., "Peptide Agonist Docking in the N-Terminal Ectodomain of a Class II G Protein-Coupled Receptor, the VPAC1 Receptor: Photoaffinity, NMR, and Molecular Modeling," <i>J. Biol. Chem.</i> 281: 12792-12798 (2006).
	Treanor et al., "Characterization of a Multicomponent Receptor for GDNF," <i>Nature</i> 382: 80-83 (1996).
	Tsomaia et al., "Cooperative Interaction of Arginine-19 and the N-Terminal Signaling Domain in the Affinity and Potency of Parathyroid Hormone," <i>Biochemistry</i> 43: 3459-3470 (2004).
	Tsomaia et al., "Toward Parathyroid Hormone Minimization: Conformational Studies of Cyclic PTH(1-14) Analogues," <i>Biochemistry</i> 43: 690-699 (2004).
	Turner et al., "A Putative Selectivity Filter in the G-Protein-Coupled Receptors for Parathyroid Hormone and Secretin," <i>J. Biol. Chem.</i> 271: 9205-9208 (1996).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	00786/538001
		Serial No.	10/549,592
		Applicant	Gardella et al.
		Filing Date	January 12, 2007
		Group	1654
		IDS Filed	January 22, 2010
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)			
(37 C.F.R. § 1.98(b))			

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Ulrich et al., "Signal Transduction by Receptors with Tyrosine Kinase Activity," <i>Cell</i> 61: 203-212 (1990).
	Unson et al., "Characterization of Deletion and Truncation Mutants of the Rat Glucagon Receptor: Seven Transmembrane Segments are Necessary for Receptor Transport to the Plasma Membrane and Glucagon Binding," <i>J. Biol. Chem.</i> 270: 27720-27727 (1995).
	Verma et al., "Gene Therapy: Promises, Problems and Prospects," <i>Nature</i> 389: 239-242 (1997).
	Voet et al., "3. Chemical Evolution," in: <i>Biochemistry</i> (eds. D. Voet et al.), pp. 126-128 and 228-234 (Wiley, New York, NY, 1990).
	Vogt et al., "An Assessment of Amino Acid Exchange Matrices in Aligning Protein Sequences: The Twilight Zone Revisited," <i>J. Mol. Biol.</i> 249: 816-831 (1995).
	Wall, "Transgenic Livestock: Progress and Prospects for the Future," <i>Theriogenology</i> 45: 57-68 (1996).
	Wang et al., "Rapid Analysis of Gene Expression (RAGE) Facilitates Universal Expression Profiling," <i>Nucleic Acids Res.</i> 27: 4609-4618 (1999).
	Wells, "Additivity of Mutational Effects in Proteins," <i>Biochemistry</i> 29: 8509-8517 (1990).
	Wells, "Hormone Mimicry," <i>Science</i> 273: 449-450 (1996).
	Whitfield et al., "Small Bone-Building Fragments of Parathyroid Hormone: New Therapeutic Agents for Osteoporosis," <i>Trends Pharmacol. Sci.</i> 16: 382-386 (1995).
	Wigley et al., "Site-Specific Transgene Insertion: An Approach," <i>Reprod. Fertil. Dev.</i> 6: 585-588 (1994).
	Wittelsberger et al., "The Mid-Region of Parathyroid Hormone (1-34) Serves as a Functional Docking Domain in Receptor Activation," <i>Biochemistry</i> 45: 2027-2034 (2006).
	Wrighton et al., "Small Peptides as Potent Mimetics of the Protein Hormone Erythropoietin," <i>Science</i> 273: 458-463 (1996).
	Yamaguchi et al., "Parathyroid Hormone-Activated Calcium Channels in an Osteoblast-Like Clonal Osteosarcoma Cell Line: cAMP-Dependent and cAMP-Independent Calcium Channels," <i>J. Biol. Chem.</i> 262: 7711-7718 (1987).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.  Serial No.  Applicant  Filing Date  Group  IDS Filed	00786/538001  10/549,592  Gardella et al.  January 12, 2007  1654  January 22, 2010
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)			
(37 C.F.R. § 1.98(b))			

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)	
	Yamamoto et al., "Characterization and Agonist-Induced Down-Regulation of Parathyroid Hormone Receptors in Clonal Rat Osteosarcoma Cells," <i>Endocrinology</i> 122:1208-1217 (1988).
	Yan et al., "Two-Amino Acid Molecular Switch in an Epithelial Morphogen that Regulates Binding to Two Distinct Receptors," <i>Science</i> 290: 523-527 (2000).
	International Search Report for PCT/US03/08261 (mailed October 24, 2003).

EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	